

DATA MINING ANALYSIS FOR NATIONAL SECURITY

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ABSTRACT

This work takes a view on different data mining and geospatial modeling analysis in the identification process study. The structure and working principle are reviewed alongside recent development in Biometric process. Data mining is a technique that enables registration of citizen from childbirth to the age of 18 upward, while keeping tract with the physical appearance of the child plus his historical background. A database comprises of densely interconnected computer processors working simultaneously (in parallel). A key feature of neural networks is that they are programmed to 'learn' by sifting data repeatedly, looking for relationships to build mathematical models, and automatically correcting these models to refine them continuously.

KEYWORDS: Computer, Processor, Feature, Data, Relationships, Mathematical Models, Automatically & Models

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INTRODUCTION

The importance of information for the effective functioning of any enterprise has been a central concern of economic theory for some time. A large body of literature has emerged in an effort to explain how asymmetric and costly information search could explicate equilibrium price dispersion for homogeneous goods [7]. Access to telecommunication for example, has been cited as a factor for social economic development, especially in rural areas (Samuel *et al.*, 2005).

Telecommunications can involve any wired or wireless technologies that allow people and businesses to communicate with each other. Computer networks are only a part of what we learn about; this area of study also covers the security issues and business needs commonly associated with telecommunications. [8]

Mandatory nationwide identification systems have been implemented in a number of countries, including Argentina, Belgium, Colombia, Germany, Italy, Peru, and Spain. While these schemes vary by country, individuals are typically assigned an ID number, which is used for a broad range of identification purposes. Large amounts of personal data such as name, birth date, place of birth, gender, eye color, height, current address, photograph, and other information is linked to this ID number and stored in a centralized database. In many countries, such as Argentina, national ID regimes are adopted during military or authoritarian regimes.

National ID cards and the databases behind them comprise the cornerstone of government surveillance systems that creates risks to privacy and anonymity. The requirement to produce identity cards on demand habituates citizens into participating in their own surveillance and social control.

METHODS

Area / Location of the Study

Edo State Police Command Headquarter is situated on Adesuwa Grammar School Road, Benin City, Edo State, Nigeria. Geographically, the coordinates of Benin City may think of having a latitude of 6°20'17" N, a Longitude of 5°37'32" E and an Elevation above sea level of 88 m = 288 ft.

The rate of crime occurrence on a monthly basis was obtained for a period of six years (2010 to 2015) from major crimes and local acts returns for the Edo State Police Command Headquarter "inside State CID".

The major crime cases reported are namely; Murder, Arm/Robbery, Attempt/Murder, Gravius Harm/Wounding, Assault, Stealing, Rape and indecent Assault, Kidnapping, Cultism, Burglary, House Braking, Store Braking, False Pretence/Cheating, Forgery, Receiving stolen property, Unlawful possession, Arson, Breach of public peace, offences against fire arms act, snatched of vehicles, car theft, vandalization, other offences, S.U.D., offences against traffic act, malicious damage, threatening violence, communal clash, political violence, suicide.

RESULTS

Table 1: Major Crimes and Local Acts Returns for the Edo State Police Command Head Quarter: 2010(January-December)

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JULY	AU	SEP	OCT	NOV	DEC	TOTAL
OFFENCES													
MURDER	4	5	9	3	8	5	6	5	5	4	5	3	62
ARM/ROBBERY	6	4	7	6	9	4	6	4	6	9	7	7	73
ATTEMPT/MURDER	-	2	1	-	4	2	-	1	2	-	-	-	12
GRAVIUS HARM/WOUNDING	14	11	22	12	14	20	13	14	14	29	15	17	195
ASSAULT	28	25	31	20	20	25	20	21	18	133	18	24	383
STEALING													
RAPE AND INDECENT ASSAULT	4	3	7	6	7	7	4	5	2	8	7	5	64
KIDNAPPING	3	4	8	5	8	6	4	5	7	1	8	8	67
CULTISM													
BURGLARY	6	5	8	6	7	12	6	7	5	7	3	4	76
HOUSE BRAKING	6	5	6	7	8	8	5	4	7	10	6	3	75
STORE BRAKING	5	6	4	4	3	9	3	5	4	6	2	3	54
FALSE PRETENSE/CHEATING	11	8	10	10	14	12	10	12	12	25	10	8	142
FORGERY	-	1	1	-	-	-	3	-	-	-	3	-	8
RECEIVING STOLEN PROPERTY	1	-	-	-	-	-	-	3	2	1	-	-	7
UNLAWFUL POSSESSION	4	-	10	-	2	-	2	2	4	-	-	3	27
ARSON	-	-	2	2	-	-	-	1	1	2	-	2	10
BREACH OF PUBLIC PEACE	6	5	7	8	10	8	8	6	5	32	5	8	108
OFFENCES AGAINST FIRE ARMS													
SNATCHED OF VEHICLES													
CAR THEFT	24	29	20	25	22	28	22	20	16	117	20	27	370
VANDALIZATION													
OTHER OFFENCES	7	8	14	14	12	14	6	8	8	12	8	7	118
S.U.D													
OFFENCES AGAINST TRAFFIC ACT													
MALICIOUS DAMAGE	1	2	-	-	-	1	2	-	-	-	-	-	6
THREATENING VIOLENCE													
COMMUNAL CLASH	-	-	-	-	-	-	-	-	-	-	1	-	1
POLITICAL VIOLENCE	-	-	-	-	-	1	-	-	-	-	-	-	1
SUICIDE	-	-	-	1	-	2	-	1	1	2	-	2	9

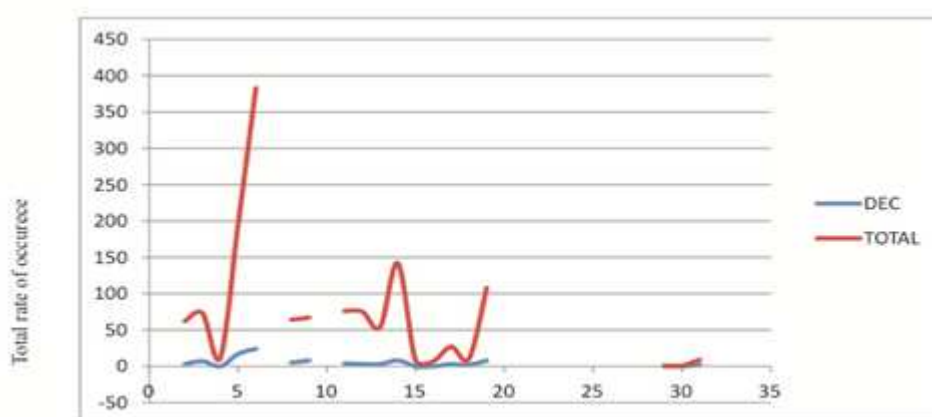


Figure 1(a): Frequency of Occurrence

Table 2: Major Crimes and Local Acts Returns for the Edo State Police Command Headquarter 2010(January-December)

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JUL	AU	SEP	OCT	NOV	DEC	TOTAL
RECORDS													
N ^o OF CASES REPORTED	130	123	165	129	148	164	120	124	119	398	117	134	1871
N ^o OF CASES REFUSED CIVIL													
N ^o OF SUSPECTS ARRESTED	89	102	112	81	99	97	123	127	117	268	132	136	1483
N ^o OF PERSONS PROSECUTED	75	87	98	77	90	89	95	75	74	233	79	85	1157
N ^o OF PERSONS KILLED	5	5	11	4	8	5	6	7	5	4	5	5	70
N ^o OF PERSONS INJURED													
VALUE OF PROPERTY STOLEN OR							11457500	11979980	10268500	2892000	11072550	14811402	62476932
VALUE OF PROPERTY							5878620	5457200	5135000	11221241	5009900	7,439,500	40141461
N ^o OF CASES UNDER	58	42	72	58	64	77	35	60	48	69	46	50	679
N ^o OF CASES CHARGE TO COURT	72	81	93	70	84	87	81	64	66	241	67	72	978

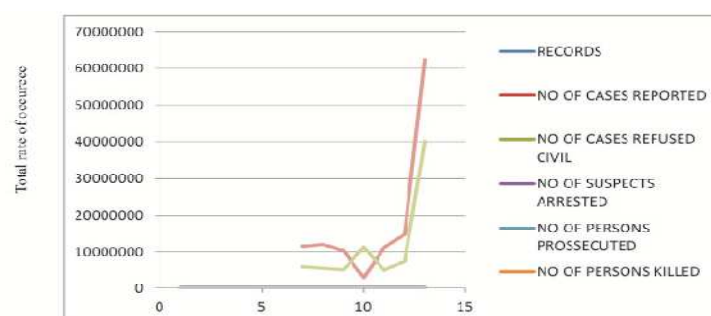


Figure 1(b): Frequency of Occurrence

**Table 3: Major Crimes and Local Acts Returns for the Edo State
Police Command Headquarter 2011(January-December)**

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JULY	AU	SEP	OCT	NOV	DEC	TOTAL
OFFENCES													
MURDER	7	4	7	10	5	8	3	4	4	6	9	8	75
ARM/ROBBERY	6	6	7	8	8	9	8	9	5	6	8	8	88
ATTEMPT/MURDER	-	-	-	1	2	1	2	-	3	-	-	-	9
GRAVIOUS HARM/WOUNDING	14	15	12	13	13	14	16	16	12	14	16	13	168
ASSAULT	22	23	24	23	22	21	23	24	23	21	24	19	269
STEALING													
RAPE AND INDECENTG ASSAULT	3	4	5	5	7	4	7	5	6	5	4	3	58
KIDNAPPING	6	10	11	9	10	9	11	6	5	5	7	9	100
CULTISM													
BURGLARY	4	6	7	4	7	7	6	8	6	7	4	5	71
HOUSE BRAKING	7	5	5	8	5	3	6	4	5	6	4	4	62
STORE BREAKING	-	5	2	5	6	3	-	6	4	10	5	2	48
FALSE PRETENSE/CHEATING	11	13	12	10	11	14	12	10	8	-	12	10	123
FORGERY	2	-	-	1	-	1	1	1	-	-	-	-	6
RECEIVING STOLEN PROPERTY	-	1	1	-	-	1	-	-	1	-	3	1	8
UNLAWFUL POSSESSION	1	1	-	2	-	2	2	-	1	2	5	1	17
ARSON	1	-	3	-	1	2	-	1	-	2	-	-	10
BREACH OF PUBLIC PEACE	9	8	8	5	8	8	5	8	8	8	8	8	91
OFFENCES AGAINST FIRE ARMS	-	-	-	-	-	-	-	-	-	-	-	-	-
SNATCHED OF VEHICLES	-	-	-	-	-	-	-	-	-	-	-	-	-
CAR THEFT	26	21	26	20	25	24	26	20	20	24	37	22	291
VANDALIZATION	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER OFFENCES	8	6	8	9	11	10	9	6	4	12	8	11	104
S.U.D	-	-	-	-	-	-	-	-	-	-	-	-	-
OFFENCES AGAINST TRAFFIC ACT	-	-	-	-	-	-	-	-	-	-	-	-	-
MALICIOUS DAMAGE	2	-	-	-	1	-	2	-	1	-	-	2	8
THREATENING VIOLENCE													
COMMUNAL CLASH	-	-	-	-	-	-	-	-	-	-	1	-	1
POLITICAL VIOLENCE	-	-	-	-	-	1	-	-	-	-	-	-	1
SUICIDE	1	-	1	1	2	1	-	-	-	2	-	-	8

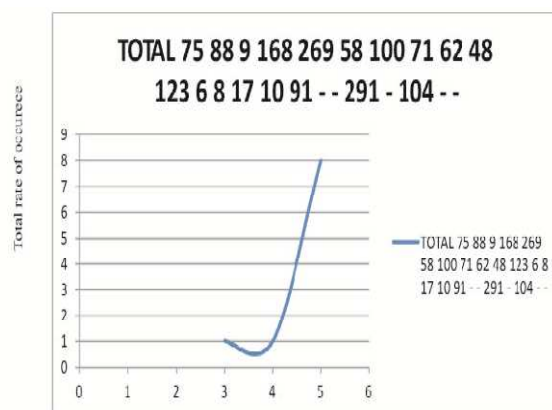


Figure 2(a): Frequency of Occurrence

Table 4: Major Crimes and Local Acts Returns for the Edo State Police Command Headquarter 2011(January-December)

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JUL	AU	SEP	OCT	NOV	DEC	TOTAL
RECORDS													
N ⁰ OF CASES REPORTED	120	128	139	134	144	142	139	128	116	122	154	126	1592
N ⁰ OF CASES REFUSED CIVIL													
N ⁰ OF SUSPECTS ARRESTED	136	131	130	146	121	123	149	112	115	142	157	135	1597
N ⁰ OF PERSONS PROSECUTED	116	85	103	100	96	103	110	90	74	94	108	86	1165
N ⁰ OF PERSONS KILLED	10	5	9	11	8	9	4	8	8	10	10	8	104
N ⁰ OF PERSONS INJURED													
VALUE OF PROPERTY STOLEN OR	14868450	9978890	14331450	10803300	14854490	12504750	12827000	13785852	17025900	12618080	17856750	16060750	167512652
VALUE OF PROPERTY	7421500	5272500	6450000	4084000	6835350	6384500	6170500	75788000	8483620	6235400	7455400	3650000	144230770
N ⁰ OF CASES UNDER	42	43	53	44	61	46	44	61	50	46	76	60	616
N ⁰ OF CASES CHARGE TO COURT	88	72	86	85	83	96	95	67	66	76	78	66	958

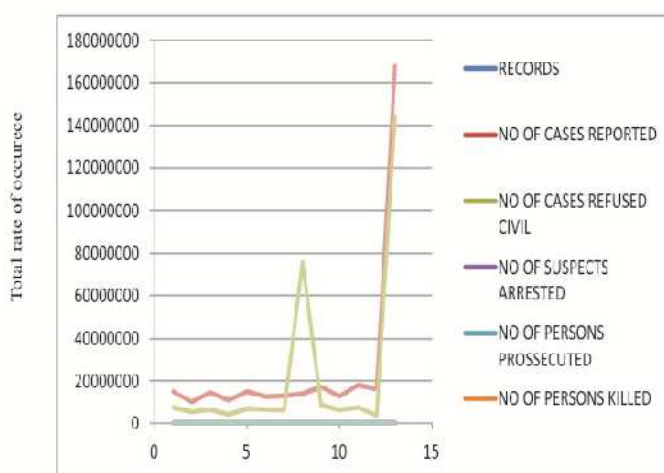


Figure 2(b): Frequency of Occurrence

**Table 5: Major Crimes and Local Acts Returns for the Edo State Police
Command Head Quarter: 2012(January-December)**

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JULY	AU	SEP	OCT	NOV	DEC	TOTAL
OFFENCES													
MURDER	7	4	7	10	5	8	3	4	4	6	9	8	75
ARM/ROBBERY	6	6	7	8	8	9	8	9	5	6	8	8	88
ATTEMPT/MURDER	-	-	-	1	2	1	2	-	3	-	-	-	9
GRAVIOUS HARM/WOUNDING	14	15	12	13	13	14	16	16	12	14	16	13	168
ASSAULT	22	23	24	23	22	21	23	24	23	21	24	19	269
STEALING													
RAPE AND INDECENTG ASSAULT	3	4	5	5	7	4	7	5	6	5	4	3	58
KIDNAPPING	6	10	11	9	10	9	11	6	5	5	7	9	100
CULTISM													
BURGLARY	4	6	7	4	7	7	6	8	6	7	4	5	71
HOUSE BRAKING	7	5	5	8	5	3	6	4	5	6	4	4	62
STORE BREAKING	-	5	2	5	6	3	-	6	4	10	5	2	48
FALSE PRETENSE/CHEATING	11	13	12	10	11	14	12	10	8	-	12	10	123
FORGERY	2	-	-	1	-	1	1	1	-	-	-	-	6
RECEIVING STOLEN PROPERTY	-	1	1	-	-	1	-	-	1	-	3	1	8
UNLAWFUL POSSESSION	1	1	-	2	-	2	2	-	1	2	5	1	17
ARSON	1	-	3	-	1	2	-	1	-	2	-	-	10
BREACH OF PUBLIC PEACE	9	8	8	5	8	8	5	8	8	8	8	8	91
OFFENCES AGAINST FIRE ARMS	-	-	-	-	-	-	-	-	-	-	-	-	-
SNATCHED OF VEHICLES	-	-	-	-	-	-	-	-	-	-	-	-	-
CAR THEFT	26	21	26	20	25	24	26	20	20	24	37	22	291
VANDALIZATION	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER OFFENCES	8	6	8	9	11	10	9	6	4	12	8	11	104
S.U.D	-	-	-	-	-	-	-	-	-	-	-	-	-
OFFENCES AGAINST TRAFFIC ACT	-	-	-	-	-	-	-	-	-	-	-	-	-
MALICIOUS DAMAGE	2	-	-	-	1	-	2	-	1	-	-	2	8
THREATENING VIOLENCE													
COMMUNAL CLASH	-	-	-	-	-	-	-	-	-	-	1	-	1
POLITICAL VIOLENCE	-	-	-	-	-	1	-	-	-	-	-	-	1
SUICIDE	1	-	1	1	2	1	-	-	-	2	-	-	8

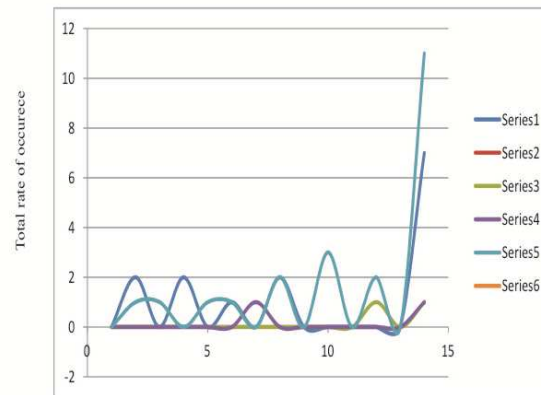


Figure 3(a): Frequency of Occurrence

**Table 6: Major Crimes and Local Acts Returns for the Edo State Police
Command Head Quarter: 2012(January-December)**

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JUL	AU	SEP	OCT	NOV	DEC	TOTAL
RECORDS													
N ^o OF CASES REPORTED	84	122	121	115	113	126	102	137	114	115	140	110	1399
N ^o OF CASES REFUSED CIVIL	-	-	-	-	-	-	-	-	-	-	-	-	-
N ^o OF SUSPECTS ARRESTED	71	129	116	108	124	123	63	115	103	99	138	94	1,283
N ^o OF PERSONS PROSECUTED	52	85	89	49	74	61	50	52	66	61	89	76	804
N ^o OF PERSONS KILLED	6	6	3	9	6	4	4	7	4	8	12	12	81
N ^o OF PERSONS INJURED	-	-	-	-	-	-	-	-	-	-	-	1	1
VALUE OF PROPERTY STOLEN OR	87,880,002,024	11,041,350,68	10,769,550,44	12,040,500,38	122837404	11,704,730,5	11,114,050,03	1392830048	124700005	140,050,004	11124003	127,155,005	#####
VALUE OF PROPERTY	0	20,430	91700	87000	120300	180990	650000	81850	980000	987000	90000	410500	3,699,770
N ^o OF CASES UNDER	44	49	50	51	65	79	64	99	62	68	76	46	753
N ^o OF CASES CHARGE TO COURT	40	69	71	64	58	47	38	38	52	47	64	64	652

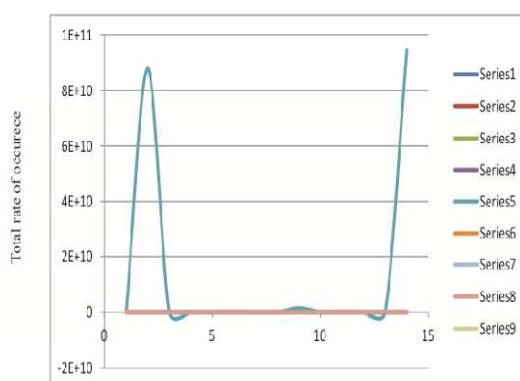


Figure 3(b): Frequency of Occurrence

Table 7: Major Crimes and Local Acts Returns for the Edo State Police Command Head Quarter: 2013(January-December)

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JULY	AU	SEP	OCT	NOV	DEC	TOTAL
OFFENCES													
MURDER	5	6	6	3	4	8	6	6	5	6	8	4	67
ARM/ROBBERY	8	11	6	6	8	6	6	8	5	7	11	8	90
ATTEMPT/MURDER	-	-	4	1	3	2	3	-	-	3	2	1	19
GRAVIOUS HARM/WOUNDING	17	-	-	-	9	-	-	18	17	18	19	7	105
ASSAULT	20	31	23	27	24	26	24	22	27	21	27	23	295
STEALING													
RAPE AND INDECENTG ASSAULT	5	4	5	5	5	11	12	10	11	7	22	3	100
KIDNAPPING	3	9	11	5	7	3	7	11	9	5	7	3	80
CULTISM													
BURGLARY	5	6	4	4	6	4	9	3	11	8	7	8	71
HOUSE BRAKING	4	4	3	5	6	9	7	4	7	5	8	6	68
STORE BREAKING	7	3	5	3	4	11	9	5	6	7	7	8	73
FALSE PRETENSE/CHEATING	12	8	7	6	10	8	13	12	10	15	12	9	122
FORGERY	-	1	1	-	-	2	1	1	1	-	-	-	
RECEIVING STOLEN PROPERTY	-	-	-	-	2	2	1	1	2	3	-	1	12
UNLAWFUL POSSESSION	5	7	4	3	4	6	5	4	7	4	4	3	56
ARSON	2	1	-	2	-	1	2	-	-	-	2	1	11
BREACH OF PUBLIC PEACE	8	7	5	4	7	6	8	5	8	6	8	5	77
OFFENCES AGAINST FIRE ARMS													
SNATCHED OF VEHICLES													
CAR THEFT	23	21	21	15	21	24	21	21	23	24	24	23	261
VANDALIZATION													
OTHER OFFENCES													
S.U.D													
OFFENCES AGAINST TRAFFIC ACT													
MALICIOUS DAMAGE	-	6	6	6	14	14	18	15	13	15	17	11	145
THREATENING VIOLENCE	-	7	5	5	12	20	14	17	15	12	14	10	141
COMMUNAL CLASH													
POLITICAL VIOLENCE													

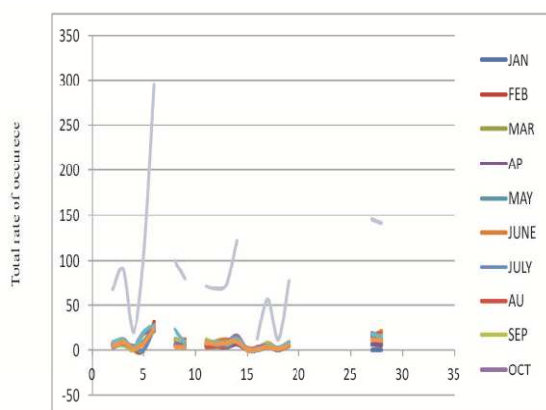


Figure 4(a): Frequency of Occurrence

**Table 8: Major Crimes and Local Acts Returns for the Edo State Police
Command Head Quarter: 2013(January-December)**

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JUL	AU	SEP	OCT	NOV	DEC	TOTAL
RECORDS													
N ^o OF CASES REPORTED	126	132	116	100	146	172	176	162	177	166	200	133	1806
N ^o OF CASES REFUSED CIVIL	-	-	-	-	-	-	-	1	-	-	5	2	8
N ^o OF SUSPECTS ARRESTED	128												
N ^o OF PERSONS PROSECUTED	68												
N ^o OF PERSONS KILLED	7												
N ^o OF PERSONS INJURED													
VALUE OF PROPERTY STOLEN OR	19314500												
VALUE OF PROPERTY	6834000												
N ^o OF CASES UNDER	80	75	74	60	83	94	82	84	84	82	84	78	960
N ^o OF CASES CHARGED TO	46	57	42	40	63	78	94	77	93	84	111	53	838

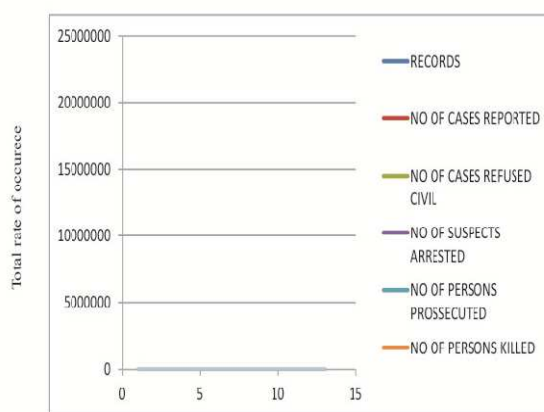


Figure 4(b): Frequency of Occurrence

**Table 9: Major Crimes and Local Acts Returns for the Edo State Police
Command Head Quarter: 2014(January-December)**

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JULY	AU	SEP	OCT	NOV	DEC	TOTAL
OFFENCES													
MURDER	10	7	10	19	11	6	5	4	3	8	4	5	92
ARM ROBBERY	4	5	5	6	5	3	4	5	2	8	4	5	60
ATTEMPT/MURDER	1	1	1	-	4	1	2	-	-	2	2	1	15
GRAVIOUS HARM/WOUNDING	16	14	18	15	127	28	42	50	45	34	23	9	412
ASSAULT	24	21	23	27	141	47	52	56	32	18	37	17	478
STEALING	28	24	27	30	163	34	42	52	46	38	26	14	510
RAPE AND INDECENT G ASSAULT	14	14	7	10	30	4	7	11	13	3	4	-	121
KIDNAPPING	5	8	3	2	6	2	2	2	2	3	2	2	39
CULTISM													
BURGLARY	7	7	6	8	9	7	9	7	5	3	15	7	90
HOUSE BRAKING	5	6	4	6	23	5	7	8	4	2	4	1	75
STORE BREAKING	3	5	6	5	13	4	6	7	5	1	5	2	62
FALSE PRETENSE/CHEATING	17	12	10	11	-	13	9	12	8	5	3	1	101
FORGERY	-	-	1	-	-	-	1	-	-	1	-	-	3
RECEIVING STOLEN PROPERTY	3	1	1	1	1	-	-	2	-	-	3	-	12
UNLAWFUL POSSESSION	3	2	4	3	7	2	2	4	-	-	1	2	30
ARSON	1	3	3	2	-	-	2	-	1	1	-	1	14
BREACH OF PUBLIC PEACE	6	7	5	19	70	21	25	32	18	22	14	9	248
OFFENCES AGAINST FIRE ARMS	-	-	-	-	-	-	-	-	-	-	-	-	-
SNATCHED OF VEHICLES	-	-	-	-	-	-	-	-	-	-	-	-	-
CAR THEFT	-	-	-	-	-	-	-	-	-	-	-	-	-
VANDALIZATION	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER OFFENCES	-	-	-	-	-	-	-	-	-	-	-	-	-
S.U.D	-	-	-	-	-	-	-	-	-	-	-	-	-
OFFENCES AGAINST TRAFFIC ACT	-	-	-	-	-	-	-	-	-	-	-	-	-
MALICIOUS DAMAGE	21	15	18	22	59	9	14	18	9	6	9	2	202
THREATENING VIOLENCE	14	16	14	11	24	14	17	21	16	20	17	11	195
COMMUNAL CLASH	-	-	-	-	-	-	-	-	-	-	1	-	1
POLITICAL VIOLENCE	-	-	-	-	-	1	-	-	-	-	-	-	1

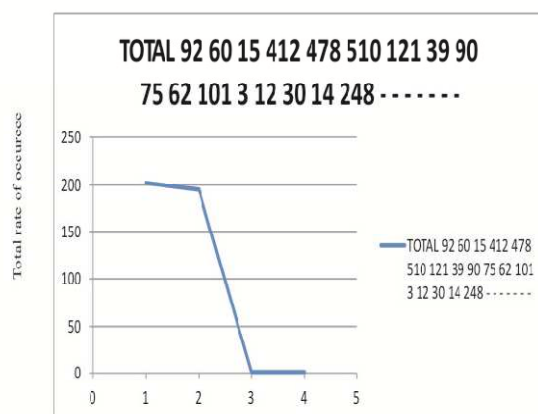


Figure 5(a): Frequency of Occurrence

Table 10: Major Crimes and Local Acts Returns for the Edo State Police Command Head Quarter: 2010(January-December)

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JUL	AU	SEP	OCT	NOV	DEC	TOTAL
RECORDS													
N ⁰ OF CASES REPORTED	182	168	166	197	693	315	248	291	208	177	174	92	2911
N ⁰ OF CASES REFUSED CIVIL	6	3	2	7	39	22	41	31	24	14	22	15	226
N ⁰ OF SUSPECTS ARRESTED	152	144	100	136	496	204	187	145	169	142	156	102	2133
N ⁰ OF PERSONS PROSECUTED	112	104	82	96	401	143	135	112	103	58	72	68	1486
N ⁰ OF PERSONS KILLED	10	7	10	19	11	6	5	4	3	14	4	5	98
N ⁰ OF PERSONS INJURED	16	14	18	15	128	28	45	50	45	37	23	9	428
VALUE OF PROPERTY STOLEN OR	11,836,940	18,618,700	43,026,00	51,080,790	215,169,720	98,509,450	92,236,400	128,220,650	32,900,190	19,348,260	46,136,120	16,045,980	879,661,660
VALUE OF PROPERTY	7,156,000	13,050,000	15,828,000	26,040,790	111,300,000	412,326,000	41,522,300	83,046,000	19,100,000	4,550,100	12,789,140	5,862,520	383,487,450
N ⁰ OF CASES UNDER	72	76	93	114	331	83	87	157	115	120	103	48	1280
N ⁰ OF CASES CHARGE TO COURT	104	89	71	75	323	94	109	107	70	44	49	29	1273

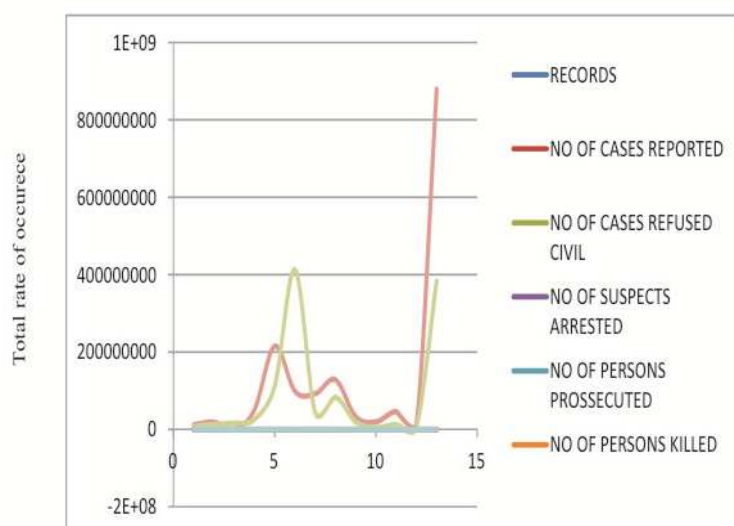


Figure 5(b): Frequency of Occurrence

**Table 11: Major Crimes and Local Acts Returns for the Edo State Police
Command Head Quarter: 2015(January-December)**

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JUL	AU	SEP	OCT	NOV	DEC	TOTAL
OFFENCES													
MURDER	6	17	11	6	8	8	3	5	4	4	4	1	77
ARM/ROBBERY	10	5	6	4	11	8	4	5	7	3	1	1	65
ATTEMPT/MURDER	1	2	3	2	6	5	2	2	2	1	-	-	27
GRAVIOUS HARM/WOUNDING	3	8	12	16	23	38	23	19	16	4	11	14	187
ASSAULT	18	26	19	24	3	94	22	27	21	20	23	17	316
STEALING	22	38	17	23	31	26	22	18	13	28	22	19	248
RAPE AND INDECENT G ASSAULT	6	4	8	3	4	5	1	2	2	5	4	1	45
KIDNAPPING	2	4	4	2	5	4	1	4	2	4	3	1	36
CULTISM	-	-	-	-	-	-	5	7	18	5	1	-	36
BURGLARY	3	7	5	8	6	4	2	1	2	4	1	-	43
HOUSE BRAKING	2	5	7	5	3	1	4	-	-	5	3	-	35
S/BREAKING	3	4	7	4	7	2	2	-	2	6	5	-	42
FALSE PRETENSE/CHEATING	20	18	17	9	13	9	12	6	9	3	7	5	128
FORGERY	3	-	1	-	1	-	-	-	-	1	-	-	6
RECEIVING STOLEN PROPERTY	-	2	-	-	2	4	-	-	-	2	3	1	14
UNL POSSESSION	7	4	1	4	7	9	4	6	8	3	-	-	53
ARSDN	2	1	-	2	-	-	1	-	-	-	1	-	7
BREACH OF PUBLIC PEACE	8	15	5	9	13	11	9	5	15	13	6	8	17
OFFENCES AGAINST FIRE ARMS	-	-	6	-	-	-	3	-	-	-	-	-	9
SNATCHED OF VEHICLES	-	-	-	-	-	-	-	-	-	-	-	-	-
CAR THEFT	-	-	-	-	-	-	-	-	-	-	-	-	-
VANDALIZATION	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER OFFENCES	-	-	-	-	-	-	16	2	-	-	9	6	40
S.U.D	-	4	-	-	-	-	-	-	-	-	-	-	4
OFFENCES AGAINST TRAFFIC ACT	-	-	1	-	-	-	-	-	-	7	-	-	1

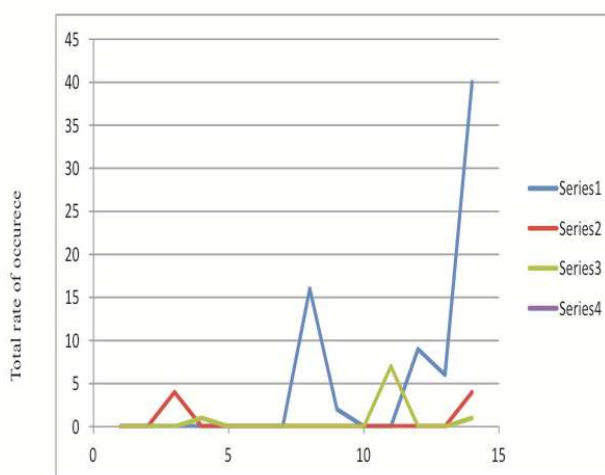


Figure 6(a): Frequency of Occurrence

**Table 12: Major Crimes and Local Acts Returns for the Edo State Police
Command Head Quarter: 2015(January-December)**

MONTHS	JAN	FEB	MAR	AP	MAY	JUNE	JUL	AU	SEP	OCT	NOV	DEC	TOTAL
RECORDS													
N ^o OF CASES REPORTED	118	192	115	121	175	281	201	100	120	120	105	74	1733
N ^o OF CASES REFERRED CIVIL	22	29	27	15	36	53	46	25	33	29	23	9	347
N ^o OF PERSONS ARRESTED	70	50	168	98	114	153	105	114	46	81	39	45	1089
N ^o OF PERSONS PROSECUTED	24	50	101	62	74	76	42	40	36	47	28	21	601
N ^o OF PERSONS KILLED	6	19	14	6	8	10	3	5	4	4	9	1	89
N ^o OF PERSONS INJURED	4	8	14	23	27	-	30	24	21	20	14	14	199
VALUE OF PROPERTY STOLEN	14677000	271296250	15879575	23339157	634188050	10597340	93442350	8233000	4676450	10905345	43,140,000	-	1,130,374,517
VALUE OF PROPERTY	650,300	-	-	-	-	-	91,000	-	-	-	4,000,000	-	4091000
N ^o OF CASES UNDER	73	111	71	83	78	185	136	52	54	63	58	45	967
N ^o OF CASES CHARGE TO COURT	23	52	24	23	61	44	19	23	33	28	24	16	354

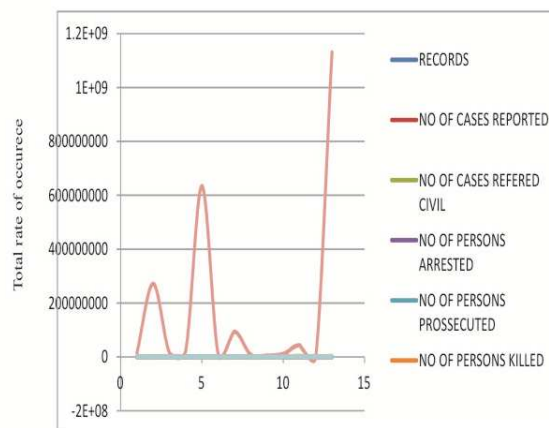


Figure 6(b): Frequency of Occurrence

DISCUSSIONS OF RESULTS

The following shows the analysis of crime rate, as it occurs over a period of six years (2010 to 2015). In the Edo State police headquarters inside state CID.

Tables 1 to 12 above shows the number of offenses recorded in from 2010 to 2015 ranging from Murder to Suicide.

Offense Related With Stealing

The figures above 2a, 3a and 4a showed that there was no case of stealing in the years 211,212 and 2013; it was less significant in the year 2010 figure 1a, significant in the year 2015 figure 6a, and dominant in the year 2014 figure 5a. It may also be observed in the case of burglary that it occurred at a constant rate all through the years 2010,2011,2012,2013 and 2015 figures 1a, 2a, 3a, 4a, and 6a; it was a bit dominant in the year 2014 figure 5a. The case of house breaking occurred in the approximated rate in the years 2011, 2012 and 2015, figures 2a, 3a and 6a dominant in the years 2010, 2014, and 2015 figures 1a, 5a and 6a. The case of store breaking occurred at a constant rate through the years 2010 to 2012, 2015 figures 1a, 3a, and 6a. It was dominant in the years 2013 and 2014 figures 4a and 5a. Car theft did not occur in the years 2014 and 2015 figures 5a and 6a but was dominant through the years 2010 to 2013 ranging from 200 to 250 figures 1a and 3a. An arm / robbery occurs almost at a constant rate throughout the years 2010, 2014 and 2015 figures 1a,5a and 6a, appear dominant through the years 2011 to 2013 figures 2a and 4a.

Offense Related With Murder

Figures 4a and 6a, above showed that there was the case of suicide was insignificant in the years 2013 to 2015, significant in the year 2012 figure 3a. Attempt/murder was less significant in the years 2012 and 2014 figures 3a and 5a, significant in the years 2010, 2014 figures 1a and 5a; it was dominant in the years 2013 and 2015 figures 4a and 6a. A murder occurred significantly all through the years 2010 to 2015 figures 1a and 6a; the frequency of occurrence is approximately (75) in 2010, 2013; (105) in 2011, 2012 and 2015, but dominant (145) in 2014. Kidnapping is also significant all through the years 2010 to 2015, but the frequency of occurrence varies approximately from (50) in the years 2014, 2015; (75) in the years 2010 and 2013 (105) in the year 2011 to (130) in the year 2012.

Offense Related With Violence

Figures 2a and 3a above showed that threatening of violence did not occur in the years 2011, 2012; it was insignificant in the year 2010 signed in the year 2014 and dominant in the year 2015. Political violence did not occur in the years 2013, 2015; then it was insignificant with the frequency of occurrence of about (20) through the years 2010, 2011, 2012 and 2014. Communal clash did not occur in the years 2013, 2015; then it was insignificant with the frequency of occurrence of about (20) through the years 2010, 2011, 2012 and 2014. Vandalization did not occur all through the years 2011 to 2015 and it appears significantly in the year 2010. Malicious damage did not occur in the years 2015; appear insignificant in the years 2010, 2011, 2012, signed in the year 2013 and dominant in the year 2014.

Offense related with Societal Instability

Figures 1a to 6a above showed that cultism did not occur all through the years 2011 to 2014, but it was insignificant in the year 2010 and a bit dominant in the year 2015. Offenses against the firearm act did not occur all through the years 2011 to 2014, but it was insignificant in the year 2010 and a bit dominant in the year 2015. Rape and indecent assault occurred all through the years 2010 to 2015 with the frequency of occurrence varying approximately from (50) in the year 2015; (70) in the years 2011, 2012; (75) in the year 2015; (205) in the year 2013 to (300) in the year 2014. Breach of public peace occurred all through the years 2010 to 2015 with the frequency of occurrence varying approximately from (50) in the year 2015; (105) in the years 2012, 2013; (205) in the years 2010, 2011 to (400) in the year 2014. The assault occurred all through the years 2010 to 2015 with the frequency of occurrence varying approximately from (300) in the year 2012, (350) in the years 2011, 213, 2015; (450) in the year 2010 to (550) in the year 2014.

Offense related with Societal Cheating

Figures 2a to 6a, above shows that S.U.D did not occur all through the years 2011 to 2014, it was insignificant in the year 2010 and a little bit significant in the year 2015. An offense against traffic act did not occur all through the years 2011 to 2014; it was insignificant in the year 2010 and a little bit significant in the year 2015. The case of forgery did not occur in the year 2013; it was insignificant in the year 2014, a little bit significant in the year 2011, more significant in the year 2010, 2015 and a bit dominant in the year 2012. The case of receiving stolen property occurred all through the years (2010 to 2015) with the frequency of occurrence ranging approximately from (20) in the year 2010, (25) in the years 2011,2012; (50) in the years 2013, 2014 to (52) in the year 2015. Arson offenses occurred all through the years (2010 to 2015) with the frequency of occurrence ranging approximately from (25) in the year 2015, (35) in the year 2013, (40) in the years 2010,2011,2013 to (45) in the year 2014. Unlawful possession offenses occurred all through the years (2010 to 2015) with the frequency of occurrence ranging approximately from (20) in the year 2011, (30) in the year 2012, (45) in the years 2010, 2014, (90) in the years 2013,2015. Other offenses did not occur in the years 2013, 2014; it was significant in the years 2012, 2015, dominant in the years 2010, 2011 with the frequency of occurrence of about 140. False pretense / cheating occurred dominantly all through the years with the frequency of occurrence ranging approximately from (100) in the year 2014, (105) in the year 2012, (1340) in the years 2011, 2013 to (148) in the years 2010 to 2015.

Figure 1b to 6b above showed the number of cases reported from 2010 to 2015 on yearly plot.

Figure 3b and 6b showed that the year 2012 and 2015 witness the lowest number of cases reported.

Figure 1b, 2b and 4b showed that there were 1500 to 2000 cases reported in the year 2010, 2011 and 2013.

Figure 5b showed that 2014 recorded the highest cases reported under the period review.

Also, it would be observed as shown by the figures 1 to 6 that, there were no cases recorded in the area of snatching of vehicles and vandalization in the year 2010 to 2015.

It was documented that there few cases of offenses recorded in the area of attempt to murder, cultism, forgery, receiving of stolen property, unlawful possession of arms, arson, offenses against fire arm, S.U.D, offenses against traffic act, communal clash, political violence and suicide in the period of 2010 to 2015.

However, there were several cases recorded by the security authorities in the area of murder, arm robbery, rape and indecent assault, kidnapping, burglary, housebreaking, store breaking, other offenses, malicious damage and threatening violence in the period of 2010 to 2015.

It would also be documented that there were increasing cases in the area of grievous harm, assault offenses, stealing, false pretense/cheating, breach of the public peace and car theft in the year, 2010 to 2015.

It should be suggested that the security agencies should persecute those involve in the area of grievous harm, assault offenses, stealing, false pretense/cheating and car theft in the society.

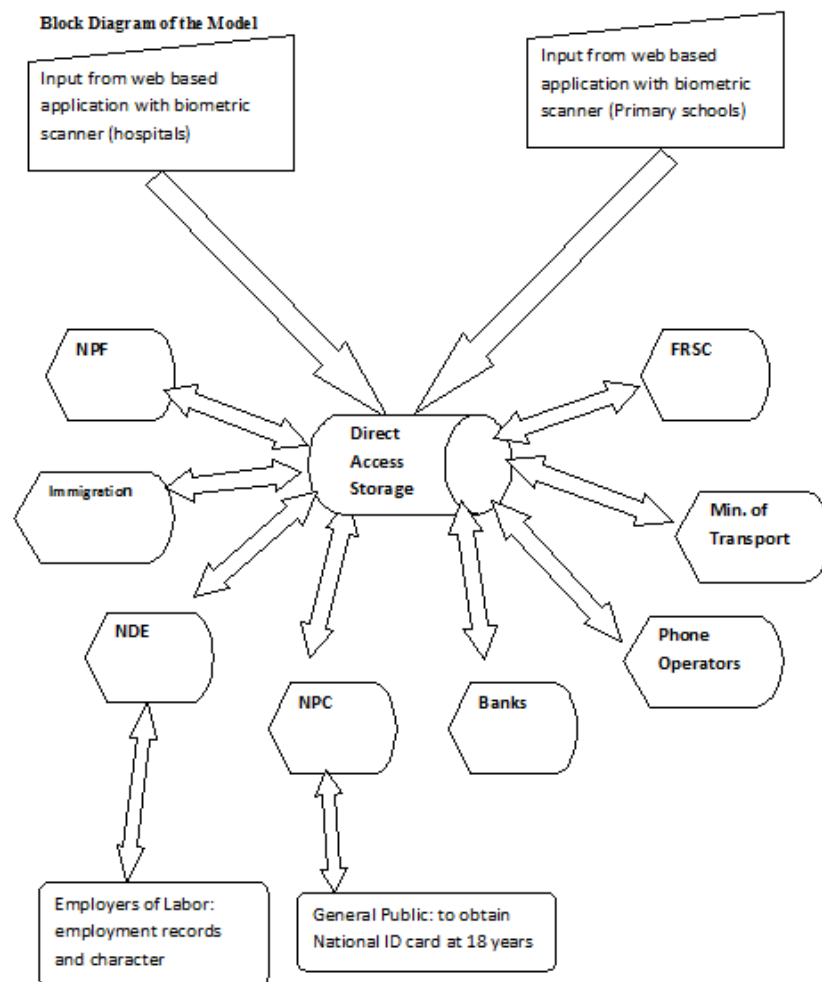


Figure 1.0: Block Diagram of the Direct Access Storage Model System

Source: field of authors

For the purpose of the project, a domain may be registered to host the application and create other sub domains for the key sectors, to illustrate, how the data gathered will be sent across to other domains and used by the different sectors?

CONCLUSIONS

From the above analysis, it is found that even after prosecution, some of the bailed offenders continue with the same activities, without being properly traced. The security agents rely solely on the public willingness and information to track down the wanted offenders at large, as stated by the Edo State commissioner of police, Sir Foluso Adebajo, during the Ebs TV program Crime Watch show I quote “ Remember, the police need your information’s to help you”. At the moment, such offense occurred if the data warehouse is being connected to the direct access storage, whether at large or not, all offenders’ bioinformation, finger print, passport photograph etc. will be known, a situation that can make investigation easy.

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